

QP CODE: 302018

Reg. No.....

**Third Year B.Sc MRT Degree Regular/Supplementary Examinations
April 2024**

Radiotherapy II

Time: 3 Hours

Max Marks: 100

- *Answer all questions to the point neatly and legibly* • *Do not leave any blank pages between answers* • *Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together* • *Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

Essays:

(3x10=30)

1. Describe the radiation techniques and dose in treatment of Cancer Cervix.
2. Write briefly on Breast Conserving Therapy.
3. Discuss regarding Acute and Late side effects in Head and Neck radiotherapy.

Short notes:

(8x5=40)

4. Role of Mammogram in tumor localisation.
5. Conventional Fractionation Radiotherapy.
6. ICRU 50.
7. Bolus.
8. Brachy Therapy in Tongue Cancer.
9. Linear Accelerator.
10. Intensity Modulated Radio Therapy (IMRT).
11. Immobilisation devices.

Answer briefly:

(10x3=30)

12. Wedge.
13. ALARA Principle.
14. Instructions to patients on Pelvic radiation.
15. Radiation sources in Brachy therapy.
16. Name Beam Modifying devices.
17. Shielding in Mantle Field Radiotherapy.
18. Explain Concurrent ChemoRadiation. Give two examples.
19. TNM staging in Cancer Larynx.
20. Source to Axis Distance (SAD).
21. Intra luminal brachy therapy.
